EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

2002317246

PUBLICATION DATE

31-10-02

APPLICATION DATE

19-04-01

APPLICATION NUMBER

2001120606

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INT.CL.

C22C 38/00 B21B 3/00 C21D 9/46

C22C 38/14 C22C 38/58 C23C 2/06

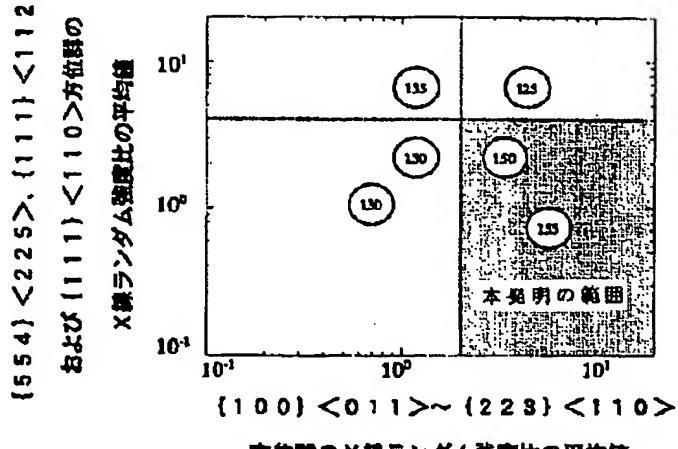
TITLE

AUTOMOBILE THIN STEEL SHEET

HAVING EXCELLENT NOTCH FATIGUE

RESISTANCE AND BURRING WORKABILITY AND PRODUCTION

METHOD THEREFOR



方位群のX銀ランダム強度比の平均値

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an automobile thin steel sheet which has excellent notch fatigue resistance and burring workability, and a production method therefor.

SOLUTION: The automobile thin steel sheet having excellent notch fatigue resistance and burring workability consists of steel having a composition containing 0.01 to 0.1% C, ≤0.03% S, ≤0.005% N and 0.05 to 0.5% Ti, and further containing Ti in a range satisfying Ti-48/12C-48/14N-48/32S≥0%, and the balance Fe with inevitable impurities. The average value of the X-ray random intensity ratios in the {100}<011> to {223}<110> orientation groups in the sheet face in the optional depth to 0.5 mm in the sheet thickness direction from the outermost surface is ≥2. Also, the average value of the X-ray random intensity ratios among the three orientations of {554}<225>, {111}<112> and {111}<110> is ≤4, and its sheet thickness is 0.5 to 12 mm.

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